

**Amendments to the Specification:**

Please add the following new paragraph on page 29, after line 25:

A tone scale function for a sparsely sampled extended dynamic range digital image can also be generated using the steps of: a) providing a sparsely sampled extended dynamic range image sensing device having fast photosites with a predetermined response to light exposure interspersed with slow photosites with a slower response to the same light exposure; b) using the image sensing device to produce a sparsely sampled high resolution digital image having fast pixel values produced by the fast photosites and slow pixel values produced by the slow photosites; c) analyzing the fast pixel values for saturation; and d) if saturation is present in the fast pixel values, generating the tone scale function using only slow pixel values from the sparsely sampled high resolution digital image, otherwise, using only fast pixel values.